CIVIL QUALITY CONSULTANTS & ENGINEERS

(Buildings Geo-Tech & Highway Materials Testing Laboratory)
An ISO 9001: 2015 Certified Company
NABL Accredited As Per ISO/IEC : 17025:2005 Laboratory

JAS-ANZ ISO 9001:2000 CERTIFIED

Job No.: CQCE/BBMP/TCSR/W.No.16/2019-20 Date: 03.08.2019

TEST REPORT

CLIENT	:	**Assistant Executive Engineer,** Rajarajeshwari Nagar Division, BBMP, Bangalore.
AGENCY	:	**Sri. T Chandra Sekar Reddy,** Contractor, Bangalore.
NAME OF THE WORK	:	Improvement of UGD (Under Ground Drainage) lines in Jalahalli in Ward No.16, BBMP, Bangalore.
SAMPLE ID	:	Cement
MANIFACTURING DATE	:	July 2019
DATE OF TESTING	:	01.08.2019 to 03.08.2019
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part -5)	150 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	440 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	30.00 %	-

Note:

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⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 30days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

Authorised Signatory

Office & Laboratory : # 133, Bhuvaneshwarinagar, Dodda Basti Main Road, Bangalore - 560 056.
e-mail:civilqualityconsultants@gmail.com Ph: 080-23240644 / Mob: 8553518550

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Job No.: CQCE/BBMP/TCSR/W.No.16/2019-20 Date : 03.08.2019

TEST REPORT ON FINE AGGREGATES (SAND)
IS 383-1970 (RA- 2002)

Client : **Assistant Executive Engineer,** Rajarajeshwari Nagar Division, BBMP, Bangalore.
Agency : **Sri. T Chandra Sekar Reddy,** Contractor, Bangalore.
Name of Work : Improvement of UGD (Under Ground Drainage) lines in Jalahalli in Ward No.16, BBMP, Bangalore.

Date of Testing : 03.08.2019

Material : Sand

Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	39	3.90	3.90	96.1	90-100
2.36	170	17.00	20.90	79.1	75-100
1.18	165	16.50	37.40	62.6	55-90
600 Micron	238	23.80	61.20	38.8	35-59
300 Micron	180	18.00	79.20	20.8	8-30
150 Micron	152	15.20	94.40	5.6	0-10

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Job No.: CQCE/BBMP/TCSR/W.No.16/2019-20 Date: 05.08.2019

TEST REPORT

CLIENT	:	**Assistant Executive Engineer,** Rajarajeshwari Nagar Division, BBMP, Bangalore.
AGENCY	:	**Sri. T Chandra Sekar Reddy,** Contractor, Bangalore.
NAME OF THE WORK	:	Improvement of UGD (Under Ground Drainage) lines in Jalahalli in Ward No.16, BBMP, Bangalore.
SAMPLE ID	:	Bricks Test – Class 5.0
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the samples are as follows:

Sl. No	Description	Test method as per IS Codes	Result	Requirement as per IS 1077-1992 (Rev-5)
1	Compressive Strength Of Bricks	IS 3495-1992 (Part-1)	5.69 N/mm^2	Class designation 5.0
2	Water Absorption of Bricks	IS 3495-1992 (Part – 2)	9.20 %	Not more than 20 %
3	Efflorescence of Bricks	IS 3495-1992 (Part – 3)	Moderate	Up to 12.5 Class
4	Dimensional Analysis of Bricks (minimum Sampling is 20 Nos.)	IS 1077-1992 (Rev – 5)		
(a)	Measurement of Length in mm		3810 mm	(3800 ± 80 mm)
(b)	Measurement of Width in mm		1835 mm	(1800 ± 40 mm)
(c)	Measurement of Height in mm		1420 mm	(1400 ± 40 mm)

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Job No.: CQCE/BBMP/TCSR/W.No.16/2019-20

09.08.2019

Test Report Of Glazed Stoneware Pipes

Client	Assistant Executive Engineer, Rajarajeshwari Nagar Division, BBMP,
Agency	Sri. T Chandra Sekar Reddy, Contractor, Bangalore.
Name of the work	Improvement of UGD (Under Ground Drainage) lines in Jalahalli in Ward No.16, BBMP, Bangalore.
Type of Sample	Salt Glazed Stoneware Pipe(230mm dia)
Techinical Reference	As Per IS-651:2007 (VI revision)
Date of Testing	09.08.2019

Sl no	Internal Diameter	Thickness of Pipe	% absorption	% of Acid Resistance	Crushing Strength kN/m
1	230mm	16mm	4.9	1.69	16.58
2	230mm	16mm	4.5	1.66	17.62
3	230mm	16mm	5.3	1.70	17.20
Requirements as per IS-651:2007(VI Revision)	-----	---	Maximum 6%	Not Exceed 2.5%	Minimum 16kN/m

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